7.4

Understanding Student Thinking

Instructions: Observe a student solving a problem/task. Ask probing or clarifying questions to determine student thinking.

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| **Description of task observed** |
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| **Observations of and explanations by student** |
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| **1. What prior knowledge did the student have to have in order to solve this problem?** | **2. What strategies did the student use to solve the problem? Did the student try different approaches?** |
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| **3. In what ways did the questions you asked extend the student’s thinking?** | **4. What was learned from the task itself and/or the questions you posed?** |
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*Tool previously published by Bay-Williams, J., McGatha, M., Kobett, B., and Wray, J. (2014).* Mathematics Coaching: Resources and Tools for Coaches and Leaders, K–12*. New York, NY: Pearson Education, Inc.*

Retrieved from the companion website for *Everything You Need for Mathematics Coaching: Tools, Plans, and A Process That Works: Grades K–12* by Maggie B. McGatha and Jennifer M. Bay-Williams with Beth McCord Kobett and Jonathan A. Wray. Thousand Oaks, CA: Corwi[n, www.corwin.com.](http://www.corwin.com/) Copyright © 2018 by Corwin. All rights reserved. Reproduction authorized only for the local school site or nonprofit organization that has purchased this book.